

Panama Canal Regulations

§ 121.131

to show the light from right ahead to 22.5 degrees abaft the beam on its respective side, visibility of 3 miles.

1 Diamond black shape (on tows exceeding 200 meters) for daylight display where best seen.

(d) *Inconspicuous, partly submerged vessels or objects, or combination of such vessels or objects being towed, shall exhibit:*

(1) White, 32-point, 3-mile lights, one at or near the forward end and one at or near the after end, if less than 25 meters in breadth, except that dracones need not exhibit a light at or near the forward end;

(2) In vessels 25 meters or more in breadth, two additional all-round white lights at or near the extremities of its breadth;

(3) In vessels more than 100 meters in length, additional all-round white lights between the lights prescribed in paragraphs (d) (1) and (2) of this section so that the distance between the lights shall not exceed 100 meters;

(4) A diamond shape at or near the aftermost extremity of the last vessel or object being towed; and, if the length of the tow exceeds 200 meters, an additional diamond shape where it can best be seen and located as far forward as is practicable.

[31 FR 12316, Sept. 16, 1966, as amended at 54 FR 37330, Sept. 8, 1989]

§ 121.108 Complement of officers and crew.

A certificate of inspection will not be granted to a vessel unless it has in service and on board such complement of officers and crew as may, in the judgment of the Marine Safety Unit, be necessary for safe navigation.

[54 FR 37330, Sept. 8, 1989]

MOTORBOATS

§ 121.131 Equipment on motorboats.

(a) Motorboats less than 7 meters (23') in length shall carry the following equipment:

2 Oars or paddles.

1 Whistle.

1 Bailer.

20 Meters (65') of manila line, not less than 15mm (5/8") diameter, or synthetic line of comparable strength.

2 Fire extinguishers, either 1¼ gallon foam, 4-lb. CO-2, or 2-lb. dry chemical, when engine is inboard, or one such extinguisher, if fixed system installed in engine space or if the engine is outboard. Extinguishers to be U.S. Coast Guard approved.

1 Combination light showing red to port and green to starboard or individual red and green side lights, visibility of one mile.

1 Stern light or all-round white light, visibility of two miles.

1 Anchor and suitable cable, 40 meters (130').

1 Red flag.

1 Life preserver for each person carried, U.S. Coast Guard approved.

1 Copy of the "Motorboat Operator's Handbook".

(b) Motorboats 7 meters (23') or over and less than 12 meters (40') in length shall carry the following equipment:

1 Life ring buoy of not less than 600mm (24") outside diameter, U.S. Coast Guard approved.

1 Whistle, power-operated, audible at least one mile.

1 Bailer.

20 Meters (65') of manila line, not less than 18mm (3/4") diameter, or synthetic line of comparable strength.

3 Fire extinguishers, 2 of which shall be 2½ gallon foam, 15-lb. CO-2, or 10-lb. dry chemical. The third extinguisher shall be 1¼ gallon foam, 4-lb. CO-2, or 2-lb. dry chemical. This third extinguisher is not required if a fixed system is installed in the engine space. Extinguishers to be U.S. Coast Guard approved.

1 Boat hook.

1 Combination light showing red to port and green to starboard, or individual red and green side lights, visibility one mile.

1 Stern light or all-round white light, visibility of two miles.

1 Anchor and suitable cable, 40 meters (130').

1 Red flag.

1 Red lantern.

1 Life preserver for each person carried, U.S. Coast Guard approved.

1 Copy of the "Motorboat Operator's Handbook".

(c) Motorboats 12 meters (40') or over and not more than 20 meters (65') in length shall carry the following equipment:

2 Life ring buoys not less than 600mm (24") in outside diameter, U.S. Coast Guard approved.

1 Approved fog horn.

1 Whistle, power-operated, audible at least one mile.

1 Bailer.

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25 Meters (82') of manila line, not less than 21mm (7/8") diameter, or synthetic line of comparable strength.

4 Fire extinguishers, 3 of which shall be 2½ gallon foam, 15-lb. CO-2, or 10-lb. dry chemical. The fourth extinguisher may be 1¼ gallon foam, 4-lb. CO-2, or 2-lb. dry chemical. This fourth extinguisher is not required if a fixed system is installed in engine space. Extinguishers to be U.S. Coast Guard approved.

2 Boat hooks.

1 Masthead light, white, 225 degrees, fixed to show the light from right ahead to 22.5 degrees abaft the beam on either side, minimum 2.5 meters above the gunwale, visibility three miles.

1 Combination light showing red to port and green to starboard or individual red and green sidelights, visibility two miles.

1 Stern light, white, 135 degrees, placed as nearly as practicable at the stern, and so fixed to show the light 67.5 degrees from right aft on each side, visibility two miles.

2 Emergency lights, red and all-round in a vertical line where they can best be seen, visibility two miles (daylight: two black balls) used when restricted in ability to maneuver.

1 Red lantern.

1 Red flag.

1 Anchor with 40 meters (130') suitable cable.

1 Fog bell.

1 Life preserver for each person carried, U.S. Coast Guard approved.

1 Copy of the "Motorboat Operator's Handbook".

(1) Pilot vessels only:

2 Lights at or near the masthead, one all-round white upper and one all-round red lower not less than one meter apart, visibility two miles.

(2) For those vessels engaged in towing and pushing:

2 Masthead lights in a vertical line. When the length of the tow, measured from the stern of the towing vessel to the after end of the tow, exceeds 200 meters, three such lights in a vertical line (daylight: a black diamond shape where it can best be seen).

(d) Cayucos or piraguas less than 20 meters (65 feet) in length and equipped with an outboard motor or motors and operating in Madden and Gatun Lakes shall carry the following equipment:

2 Oars or paddles.

1 Whistle.

1 Bailer.

20 Meters (65') of manila line, not less than 21mm (7/8") diameter, or synthetic line of comparable strength.

1 Flashlight.

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1 Red flag.

1 Life preserver for each person carried, U.S. Coast Guard approved.

1 Copy of the "Motorboat Operator's Handbook".

(e) Life preservers, ring buoys and fire extinguishers required by this section shall be U.S. Coast Guard approved and shall be permanently marked with the name of the motorboat on which they are carried.

[54 FR 37330, Sept. 8, 1989]

§ 121.132 Motorboat filling, venting, and sounding pipes; shut-off valves.

(a) Filling, venting, and sounding pipes shall be so arranged that vapors or possible overflow when filling cannot escape to the inside of the hull but will run overboard. A pipe made tight to the tank and to the filling plate on deck clear of any coamings, etc., meets this requirement. Filling and sounding pipes shall extend to within one-half their diameter from the bottom of the tank. A flame screen of noncorrodible wire mesh shall be fitted in the throat of the fill pipe.

(b) Shut-off valves shall be installed in the fuel line; one as close to each tank as practicable, and one as close to each carburetor as practicable. Arrangements shall be provided for operating all shut-off valves at the tanks from outside the compartments in which they are located, preferably from an accessible position on deck. The operating gear for the shut-off valves at the tanks shall be accessible at all times and in efficient working condition.

§ 121.133 Carburetor back-fire flame arrestor.

Carburetors of engines installed on motorboats using gasoline for fuel, except outboard motors, shall be fitted with an approved device to arrest back-fire. Air intakes, where practicable, shall be so directed that back-fire cannot blow down into the bilge.

§ 121.134 Ventilation of motorboats.

(a) All motorboats which use gasoline or other liquid fuel having a flash point of less than 110° F. shall be provided with at least two ventilators fitted with cowls or their equivalent for the